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TITLE: COLOR IMAGE FORMING DEVICE  
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ABSTRACT:

PURPOSE: To form at a high speed a distinct color image having no color shift nor uneven development, etc. by providing a control means for synchronizing write on the first image forming body, and an optical scan of an original.

CONSTITUTION: By a control signal from a CPU, a recording device, a dot pattern memory and a image forming process are controlled and driven, and as an exposing system moves, a CCD image sensor 4 reads color

information of B, G and  
R of the horizontal direction of an original 1, and outputs  
an analog video  
signal. B, G and R signals from a buffer memory are brought  
to complementary  
color conversion to Y, M and C, and a gradation correction,  
and thereafter, a  
black component is extracted from each of Y, M and C,  
separated into a  
chromatic color component and an achromatic color component,  
and Y, M and C are  
brought to color correction, and brought to gradation  
correction together with  
the black component, and thereafter, inputted to a pattern  
generator. A Y dot  
pattern signal for executing write is outputted to the  
recording device without  
being stored in a page memory, and by synchronizing roughly  
with read, write  
and image formation are executed.

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